

Appl. No. 10/634,196
Reply to Office Action of October 30, 2006

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously presented) A composition consisting of:
about 0.005 to about 20 wt-% fatty acid antimicrobial agent;
about 0.1 to about 10 wt-% alkoxyated amine the alkoxyated amine being:

C_{12} to C_{14} propoxy amine ethoxylate of the formula: $R-(PO)_nN[EO]_{2.5}-H[EO]_{2.5}-H$;

C_{12} to C_{14} propoxy amine ethoxylate of the formula: $R-(PO)_5N[EO]_{2.5}-H[EO]_{2.5}-H$;

C_{12} to C_{14} propoxy amine ethoxylate of the formula: $R-(PO)_2N[EO]_{2.5}-H[EO]_{2.5}-H$;

poly (5) oxyethylene isodecyloxypropylamine, which has a branched $C_{10}H_{21}$ alkyl group off the ether oxygen;

iso-(2-hydroxyethyl) isodecyloxypropylamine, which has a branched $C_{10}H_{21}$ alkyl group off the ether oxygen;

or mixture thereof;

the alkoxyated amine and fatty acid antimicrobial agent being at a weight ratio of about 1:1 to about 9:1;

carrier; and

optionally anionic surfactant, amphoteric surfactant, nonionic surfactant, solvent, sequestrant, acidulant, adjuvant, or mixture thereof; the adjuvant being stabilizing agent, wetting agent, thickener, foaming agent, pigment, dye, or mixture thereof;

wherein the composition is clear and has effective antimicrobial activity.

2. (Original) The composition of claim 1, wherein the carboxylic acid antimicrobial agent comprises a C_6 - C_{14} alkyl carboxylic acid, or salt or ester thereof.

Appl. No. 10/634,196
Reply to Office Action of October 30, 2006

3. (Original) The composition of claim 2, wherein the C₆-C₁₄ alkyl carboxylic acid comprises octanoic acid, heptanoic acid, decanoic acid, dodecanoic acid, myristic acid, or mixture thereof.

4. (Original) The composition of claim 2, wherein the C₈-C₁₄ alkyl carboxylic acid comprises octanoic acid.

5-12. (Canceled)

13. (Currently amended) The composition of claim 1, wherein the composition comprises acidulant and the acidulant comprises phosphoric acid, citric acid, lactic acid, sulfuric acid, nitric acid, hydroxyacetic acid, gluconic acid, oxalic acid, formic acid, glutaric acid, malic acid, hydroxy propionic acid, succinic acid, adipic acid, fumaric acid, or a mixture thereof.

14. (Previously Presented) The composition of claim 13, wherein the acidulant comprises phosphoric acid, citric acid, lactic acid, or a mixture thereof.

15. (Canceled)

16. (Previously presented) The composition of claim 1, wherein the composition comprises anionic surfactant, amphoteric surfactant, nonionic surfactant, or mixture thereof.

17. (Original) The composition of claim 16, comprising anionic surfactant, the anionic surfactant comprising alkyl sulfonate, alkylaryl sulfonate, alcohol alkoxyate carboxylate, sarcosinate, taurate, acyl amino acid, alkanolic ester, phosphate ester, sulfuric acid ester, salt or ester thereof, or mixture thereof.

18. (Original) The composition of claim 16, comprising amphoteric surfactant, the amphoteric surfactant comprising acyl amino acid, N-alkyl amino acid, salt or ester thereof, or mixture thereof.

Appl. No. 10/634,196
Reply to Office Action of October 30, 2006

19. (Original) The composition of claim 16, comprising nonionic surfactant, the nonionic surfactant comprising alcohol alkoxylate, arylacyl alkoxylate, amine oxide, alkoxide condensate, EOPO block, reverse, or heteric polymer polysaccharide ether; or mixture thereof.

20. (Original) The composition of claim 19, wherein the alcohol alkoxylate comprises C₆-C₁₂ linear ethoxylate with 7 moles EO average, C₆-C₁₂ linear ethoxylate with 3 moles EO average, or mixture thereof.

21. (Previously presented) The composition of claim 16, wherein the surfactant comprises cocoamidopropyl betaine.

22. (Previously presented) The composition of claim 1, wherein the composition comprises solvent.

23. (Original) The composition of claim 22, wherein the solvent comprises isopropyl alcohol.

24. (Canceled)

25. (Previously presented) The composition of claim 1, wherein the carrier comprises water.

26. (Previously presented) The composition of claim 1, wherein the composition comprises sequestrant.

27. (Original) The composition of claim 26, wherein the sequestrant comprises aminomethylene triphosphonic acid or 1-hydroxy ethylidene-1,1-diphosphonic acid.

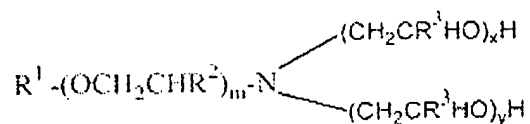
Appl. No. 10/634,196

Reply to Office Action of October 30, 2006

28. (Previously presented) A method of reducing microbial population on an object, comprising contacting the object with a composition consisting of:

about 0.005 to about 20 fatty acid antimicrobial agent; and

about 0.1 to about 10 wt-% alkoxyated amine of Formula III:



wherein R^1 is a straight or branched alkyl or alkylaryl; R^2 is independently in each occurrence hydrogen or alkyl from 1 to 6 carbons; R^3 is independently in each occurrence hydrogen or alkyl of from 1 to 6 carbons; m is about 1 to about 20; x and y is each independently 1 to about 20; and $x+y$ averages from about 1 to about 40; and

acidulant;

the alkoxyated amine and fatty acid antimicrobial agent being at a ratio of about 1:1 to about 9:1;

carrier; and

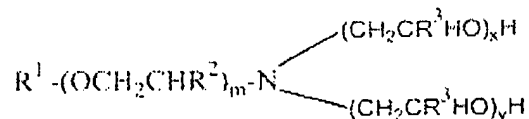
optionally anionic surfactant, amphoteric surfactant, nonionic surfactant, solvent, sequestrant, acidulant, adjuvant, or mixture thereof; the adjuvant being stabilizing agent, wetting agent, thickener, foaming agent, pigment, dye, or mixture thereof;

wherein the composition is clear and has effective antimicrobial activity.

29. (Previously presented) A composition consisting of:

about 1 to about 5 wt-% fatty acid antimicrobial agent;

about 2 to about 12 wt-% alkoxyated amine of Formula III:



wherein R^1 is a straight or branched alkyl or alkylaryl; R^2 is independently in each occurrence hydrogen or alkyl from 1 to 6 carbons; R^3 is independently in each occurrence hydrogen or alkyl of from 1 to 6 carbons; m is about 1 to about 20; x and y is each independently 1 to about 20; and $x+y$ averages from about 1 to about 40;

Appl. No. 10/634,196

Reply to Office Action of October 30, 2006

the alkoxyated amine and fatty acid antimicrobial agent being at a weight ratio of about 1:1 to about 9:1;

carrier; and

optionally anionic surfactant, amphoteric surfactant, nonionic surfactant, solvent, sequestrant, acidulant, adjuvant, or mixture thereof; the adjuvant being stabilizing agent, wetting agent, thickener, foaming agent, pigment, dye, or mixture thereof;

wherein the composition is clear and has effective antimicrobial activity.

30. (Previously Presented) The composition of claim 29, wherein the ratio of alkoxyated amine and carboxylic acid antimicrobial agent is in the range of about 2:1 to about 6:1.

31. (Previously Presented) The composition of claim 29, wherein the ratio of alkoxyated amine and carboxylic acid antimicrobial agent is in the range of about 2.5:1 to about 3.5:1.

32. (Previously Presented) The composition of claim 29, wherein the ratio of alkoxyated amine and carboxylic acid antimicrobial agent is about 3:1.

33. (Previously Presented) The composition of claim 29, wherein the carboxylic acid comprises octanoic acid.

34-36. (Canceled)

37. (New) The composition of claim 1, wherein the composition comprises acidulant;

38. (New) A composition consisting of;

about 0.005 to about 20 wt-% fatty acid antimicrobial agent;

about 0.1 to about 10 wt-% alkoxyated amine the alkoxyated amine being;

Appl. No. 10/634,196

Reply to Office Action of October 30, 2006

C_{12} to C_{14} propoxy amine ethoxylate of the formula: $R-(PO)_{10}N[EO]_{2.5}-H[EO]_{2.5}-H$;

C_{12} to C_{14} propoxy amine ethoxylate of the formula: $R-(PO)_5N[EO]_{2.5}-H[EO]_{2.5}-H$;

C_{12} to C_{14} propoxy amine ethoxylate of the formula: $R-(PO)_2N[EO]_{2.5}-H[EO]_{2.5}-H$;

poly (5) oxyethylene isodecyloxypropylamine, which has a branched $C_{10}H_{21}$ alkyl group off the ether oxygen;

iso-(2-hydroxyethyl) isodecyloxypropylamine, which has a branched $C_{10}H_{21}$ alkyl group off the ether oxygen;

or mixture thereof;

the alkoxyated amine and fatty acid antimicrobial agent being at a weight ratio of about 1:1 to about 9:1;

carrier; and

optionally amphoteric surfactant, nonionic surfactant, solvent, sequestrant, acidulant, adjuvant, or mixture thereof; the adjuvant being stabilizing agent, wetting agent, thickener, foaming agent, pigment, dye, or mixture thereof;

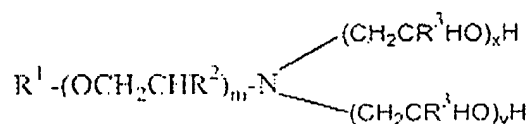
wherein the composition is clear and has effective antimicrobial activity.

39. (New) The composition of claim 38, wherein the composition comprises acidulant.

40. (New) A composition consisting of:

about 1 to about 5 wt-% fatty acid antimicrobial agent;

about 2 to about 12 wt-% alkoxyated amine of Formula III:



wherein R^1 is a straight or branched alkyl or alkylaryl; R^2 is independently in each occurrence hydrogen or alkyl from 1 to 6 carbons; R^3 is independently in each occurrence hydrogen or alkyl of from 1 to 6 carbons; m is about 1 to about

Appl. No. 10/634,196
Reply to Office Action of October 30, 2006

20; x and y is each independently 1 to about 20; and x+y averages from about 1 to about 40;

the alkoxyated amine and fatty acid antimicrobial agent being at a weight ratio of about 1:1 to about 9:1;

carrier; and

optionally anionic surfactant, amphoteric surfactant, nonionic surfactant, solvent, sequestrant, acidulant, adjuvant, or mixture thereof; the adjuvant being stabilizing agent, wetting agent, thickener, foaming agent, pigment, dye, or mixture thereof;

wherein the composition is clear and has effective antimicrobial activity.

41. (New) The composition of claim 40, wherein the composition comprises acidulant.